

- NOTES:
- 1) CONTROLS NOTED IN RED ARE FRONT PANEL
 - 2) CONTROLS NOTED IN BLUE ARE SETUP ON MODULE
 - 3) ALL RESISTORS ARE 0.25W 1% METAL FILM EXCEPT AS NOTED
 - 4) ALL CAPS ARE 100V 5% TOL
 - 5) H BLANK START (5K POT, 10T) TOCOS GV4W
 - 6) H BLANK WIDTH (50K POT, 10T) TOCOS GV4W
 - 7) NOISE REDUCE (5K POT)
 - 8) ENHANCE POS (5K POT)
 - 9) ENHANCE AMP (1K POT)
 - 10) LUMINANCE AMP (1K POT)
 - 11) CHROMA AMP (5K POT)
 - 12) MODE (SWITCH SPST, HCMOS LOGIC LEVEL)
 - 13) VIDEO MODE (SWITCH SPST, HCMOS LOGIC LEVEL)
 - 14) MV MODE (SWITCH SPST, HCMOS LOGIC LEVEL)

POWER CONSUMPTION:
 +5V @ 30mA = 0.15W (pdc +12V)
 +12V @ 80mA = 0.96W
 TOTAL = 1.11W
 +5V @ 30mA = 0.15W (pdc +12V)
 +3.3V @ 10mA = 0.03W (pdc +12V)

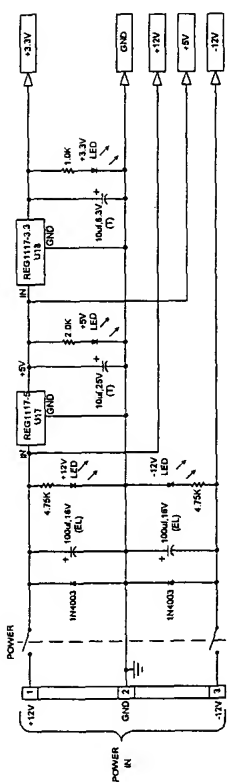
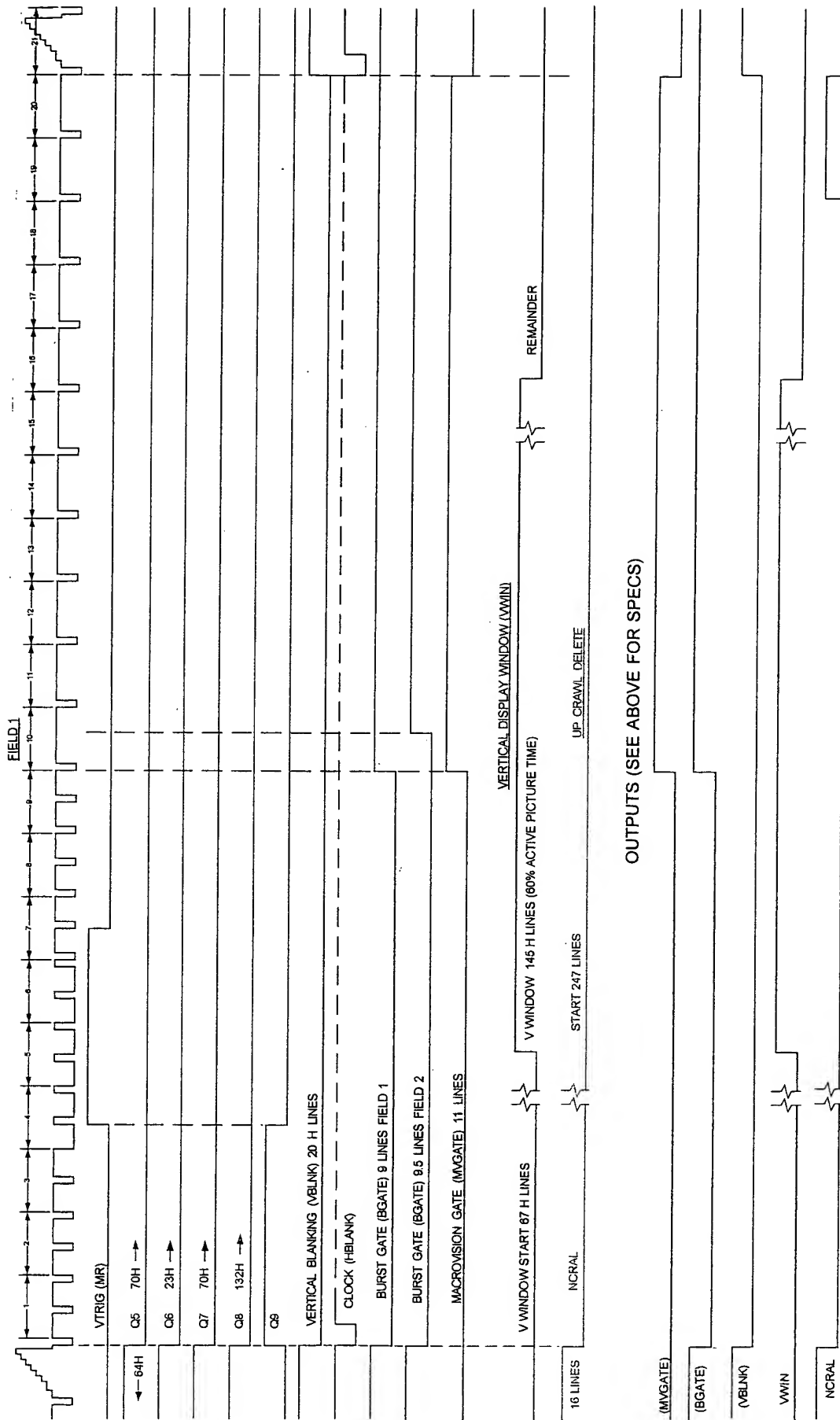


FIG. 2

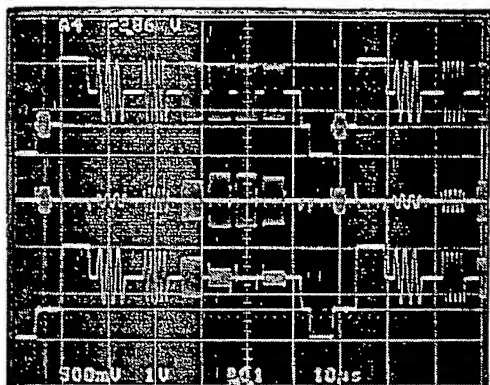


FIG. 3



- NOTES:
- 1) ALL OUTPUT ABLE TO PULLUP TO 5VCC POWER
 - 2) Q OUTPUT REGENERATED HORIZONTAL BLANKING LEADING EDGE CLOCKS THE VERTICAL COUNTER
 - 3) FOLLOWING ARE OUTPUTS: MACROVISION GATE (MVGATE), VERTICAL BLANKING (VBLNK), BURST FLAG GATE (BFG), VERTICAL DISPLAY WINDOW (VWIN), NEWS CRAWL (NCRAL)
 - 4) ALL OUTPUTS FREE OF DECODE SLIVERS

FIG. 4

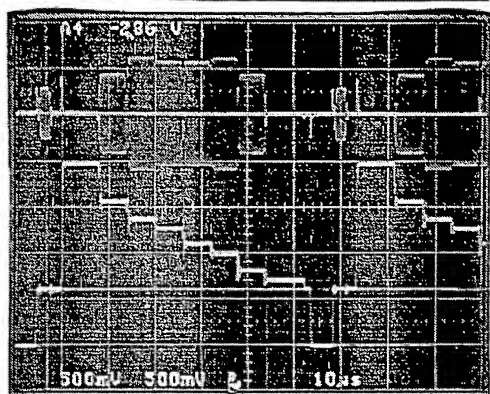


VIDEO OUT
MULTIBURST

C OUT

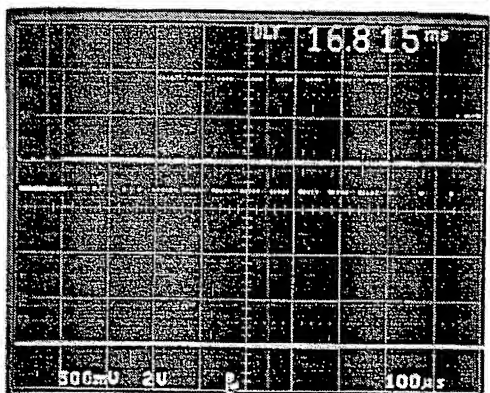
Y OUT

FIG. 5



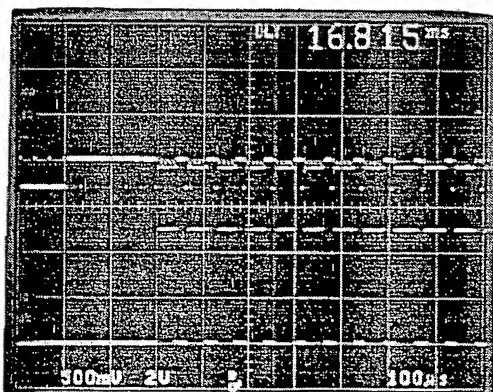
C OUT (COLOR BARS)

Y OUT (COLOR BARS)



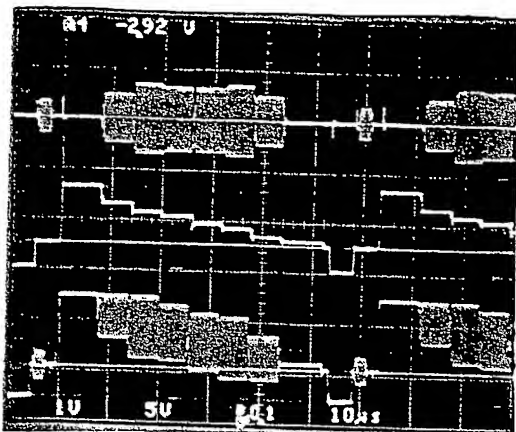
VIDEO OUT
MACROVISION "ON"

MV DEL GATE
MV MODE "ON"



VIDEO OUT
MACROVISION "OFF"

MV DEL GATE
MV MODE "OFF"

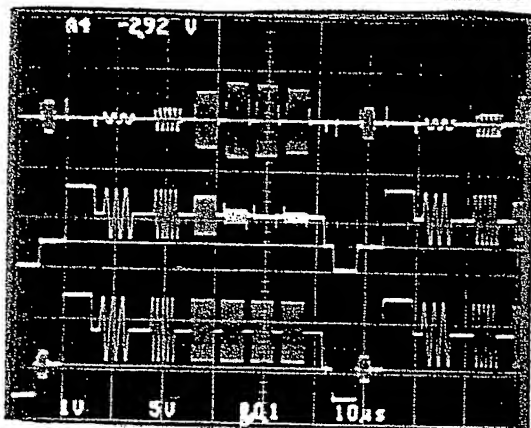


CHROMA BUFF OUT

LUMA BUFF OUT

COMP VIDEO IN
COLOR BARS

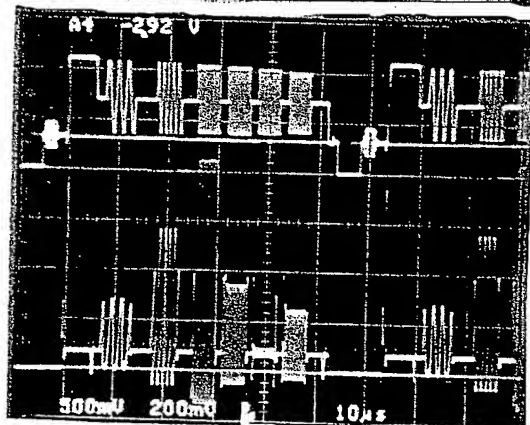
FIG. 6



CHROMA BUFF OUT

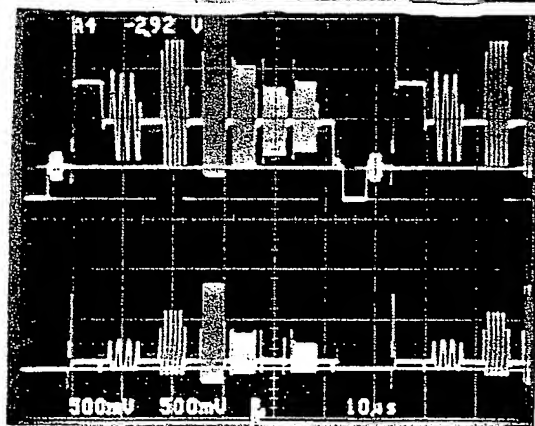
LUMA BUFF OUT

COMP VIDEO IN
MULTIBURST



VIDEO OUT
NO ENHANCE

ENHANCE SHAPER OUT



VIDEO OUT
MAX ENHANCE

ENHANCE SHAPER OUT

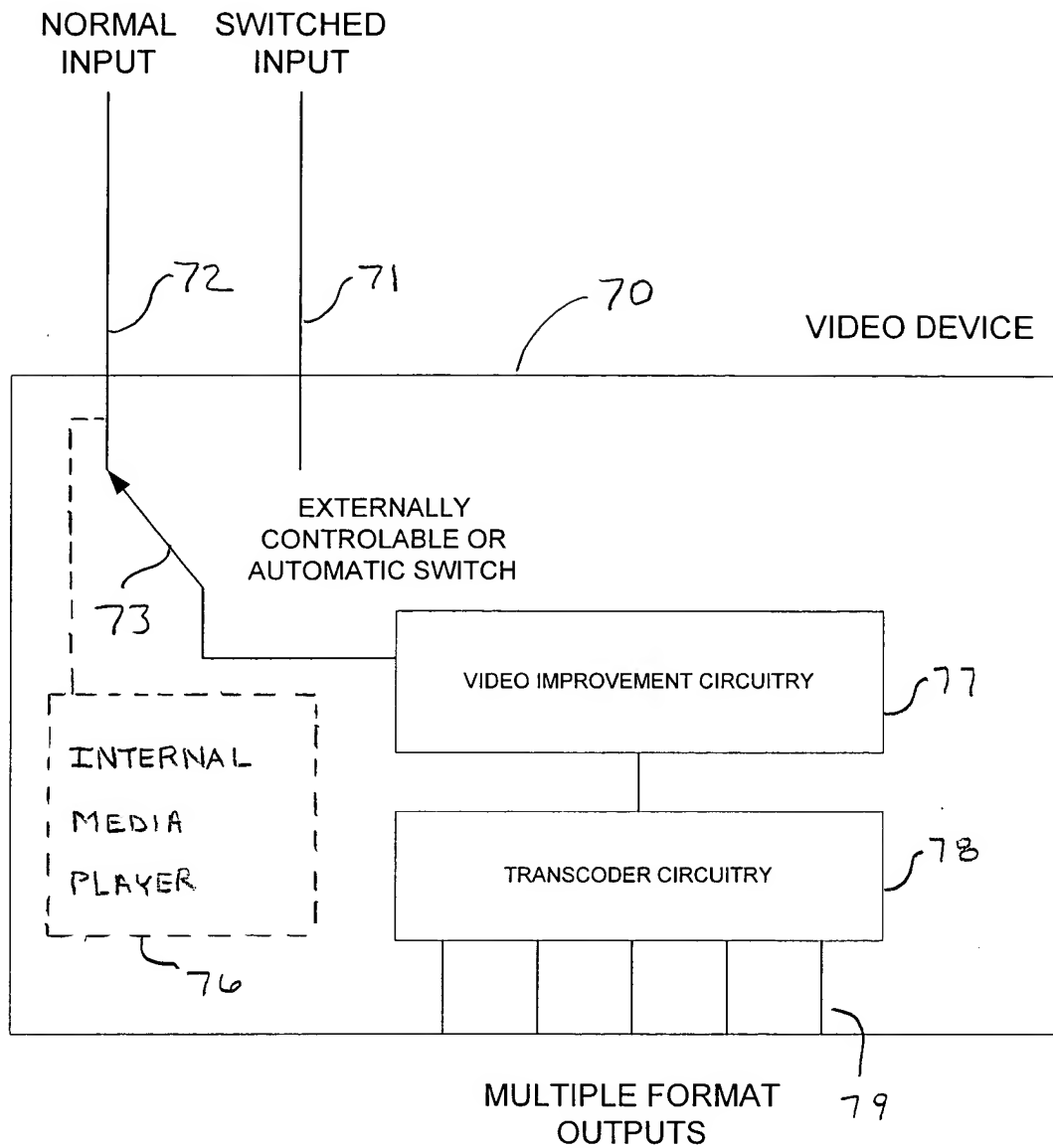


FIG. 7